ABSTRACT OF THE INVENTION

Electrostatic capacitance measurements are used	d to detect chemical or
biological analytes, or chemical interactions, with great s	sensitivity. A diaphragm is
coated with a material capable of selectively interacting	with an analyte of interest, and
interaction of the analyte with the coating exerts stresses	s tangential to the diaphragm's
surface. These stresses cause diaphragm displacement	its that are sensed as varying
capacitance.	

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